

Abstract of the Disclosure

A binarization procedure in scalable video coding, wherein a video sequence is encoded in a manner such that an encoded sequence characterized by a lower bit rate can be produced through selective removal of bits from the bitstream. The binarization  
5 procedure is used to form a plurality of enhancement layers, each of which is associated with a quantization step-size. An interval is obtained based on the quantization step-size and the reconstructed values of the enhancement layer coefficients. Based on the predicted values of the enhancement layer coefficients and the original coefficients of the video data, the interval is refined and the reconstruction values are recomputed in order to  
10 reduce the quantization step-size for the next enhancement layer.